

GP-302192

EMISSION REDUCTION KIT FOR EMD DIESEL ENGINES

ABSTRACT OF THE DISCLOSURE

Engine reconfiguration kits are developed for NOx emission reduction in Electro-Motive Division of General Motors Corporation model 645 diesel engines. The kits feature improved unit fuel injectors providing better fuel atomization with retarded injection timing and other improvements. Included new higher efficiency four pass counterflow aftercoolers provide reduced airbox inlet air temperatures. New connector pipes for the counterflow aftercoolers may also be included. Optional higher compression ratio pistons are available for increased fuel efficiency in some engine types. The kits reduce NOx emissions without increasing smoke, CO or particulate emissions or reducing performance.